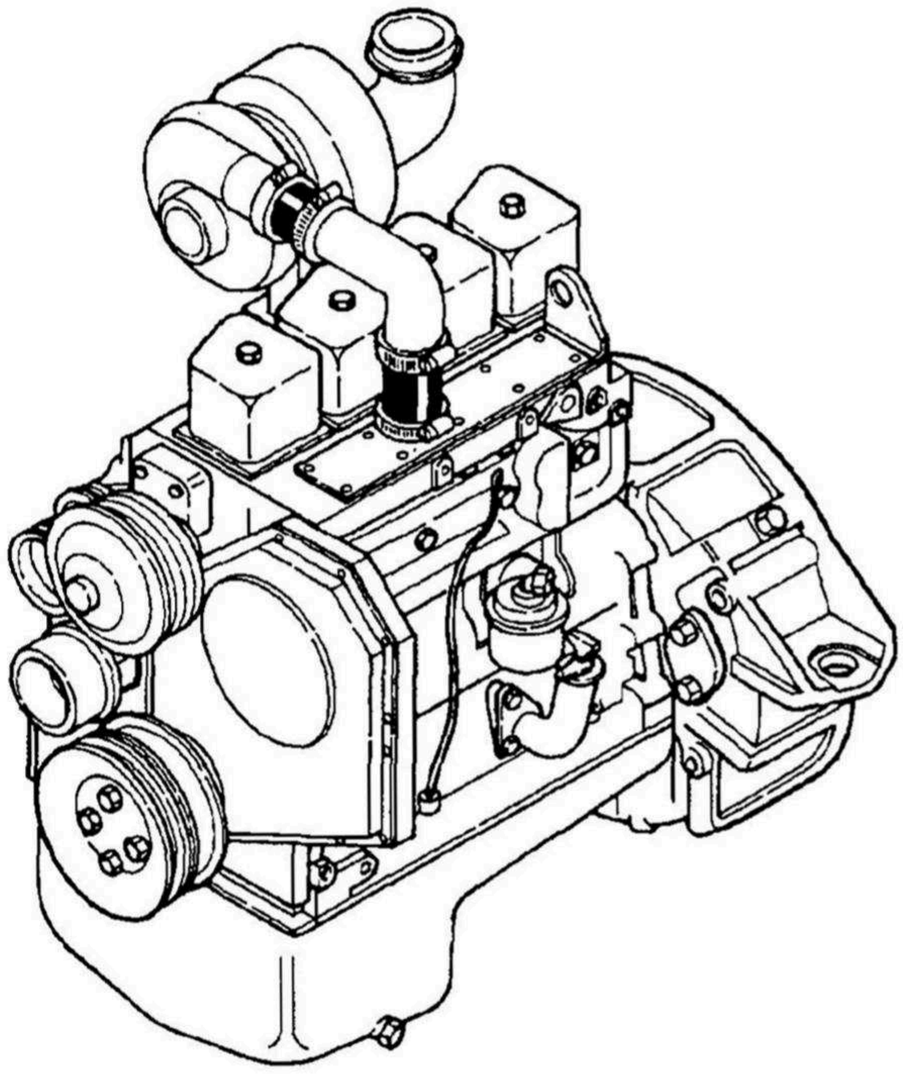
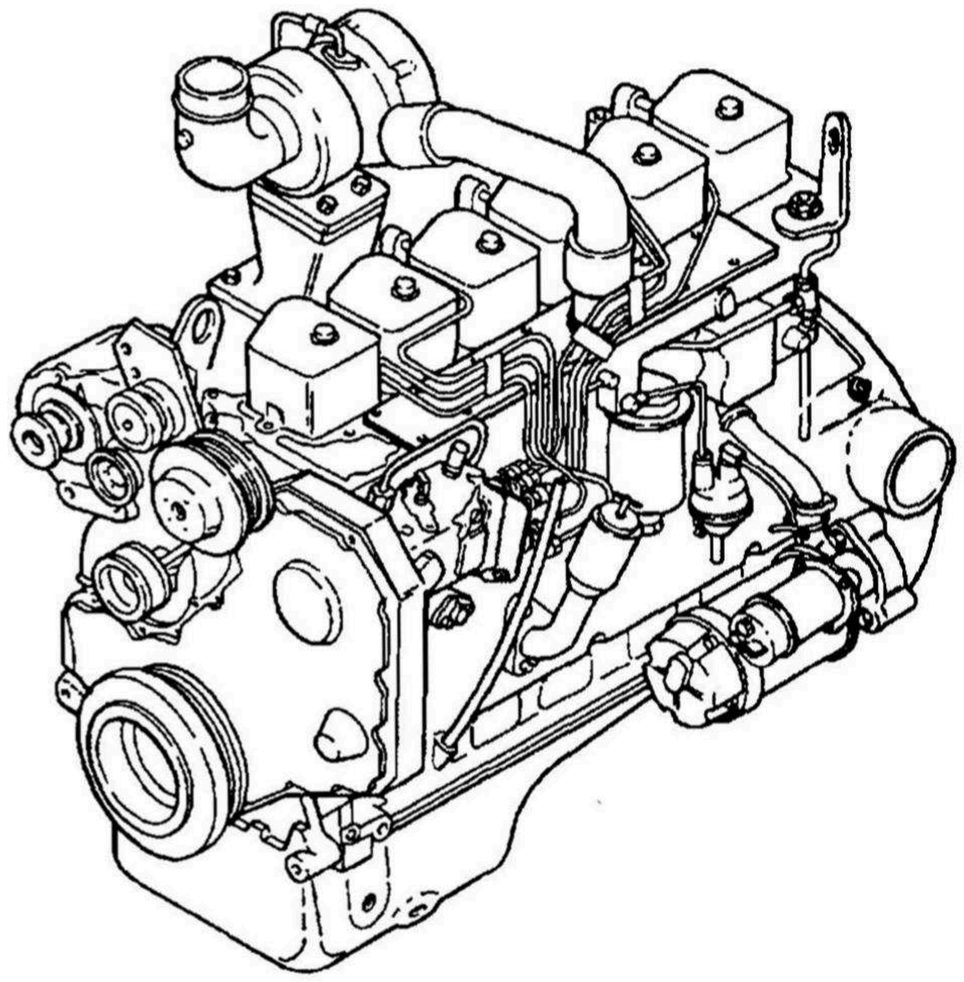
Komatsu Dresser Company

Shop Manual
410 and 610 Series Engine
1991 Model



KDC 410 Series Engine



KDC 610 Series Engine

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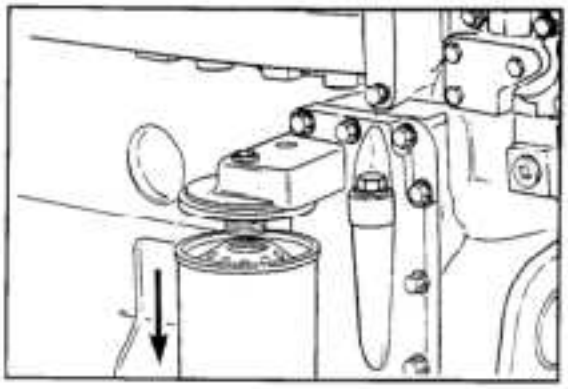
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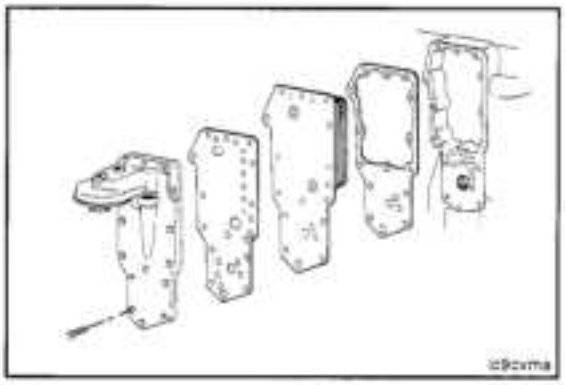
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Oil Cooler - Removal (0-42)

90-95 mm [3-1/2 to 3 7/8 in] Filter Wrench

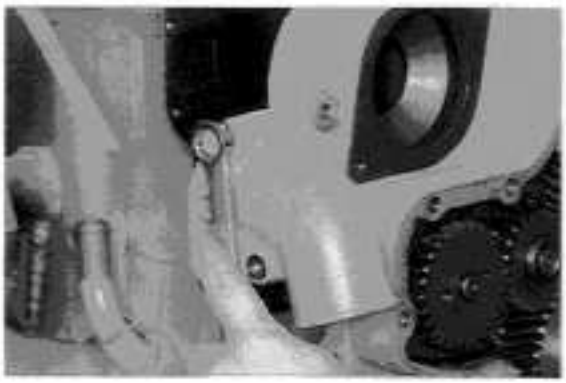
Remove the oil filter.



10 mm

Remove all the capscrews, oil cooler cover, cover gasket, oil cooler and cooler gasket.

NOTE: Refer to Component Section 7 for inspection procedures.



Water Inlet Connection - Removal (0-43)

13 mm

Remove the water inlet connection and rectangular ring seal.

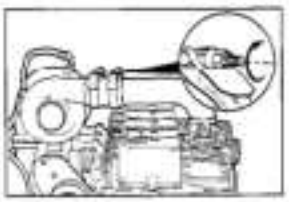
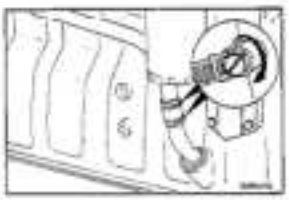
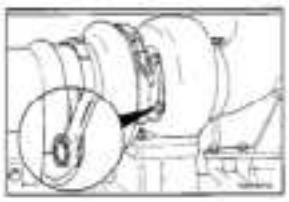
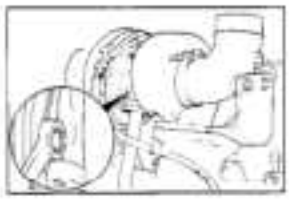
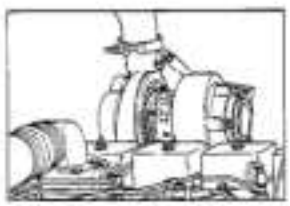
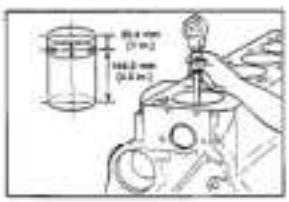


Oil Pan - Removal (0-44)

10 mm

Rotate the engine on the stand and remove the oil pan and gasket.

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	Component or Assembly (Procedure)	Ref. No./Steps	Metric		U.S.
	Turbocharger Air Crossover Hose Clamps		5 N•m		44 in-lb
	Turbocharger Oil Drain Line Hose Clamps		6 N•m		53 in lb
	Turbocharger Turbine Housing Capscrews		20 N•m		180 in-lb
	Turbocharger Compressor Housing • Capscrews • V Band Clamp (Silver Plated Nut)		 8 N•m 8 N•m		 71 in-lb 71 in-lb
	Turbocharger Oil Supply Line Connection		35 N•m		26 ft-lb
	**Cylinder Block - Rebuild Specifications**				
	Cylinder Bore Diameter		102.000 mm 102.116 mm	MIN MAX	4.0157 in 4.0203 in
	Out-of-Roundness		0.035 mm	MAX	0.0014 in
	Taper		0.076 mm	MAX	0.003 in
	Main Bearing Diameter (Bearings Installed) With Capscrews Tightened to 176 N•m [130 ft-lb]		83.106 mm	MAX	3.27720 in

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